

U.S. EPA NEW ENGLAND CENTER FOR ENVIRONMENTAL INDUSTRY AND TECHNOLOGY (CEIT)

June, 2004

Welcome to EnvirotechNews, a service provided by the Center for Environmental Industry and Technology (CEIT). This monthly newsletter contains information relevant to the environmental technology industry under the following headings: Government Funding Opportunities, Environmental Technology Verification (ETV) Opportunities, and Upcoming Events. Special issues of EnvirotechNews feature Technology Opportunities; this section offers the unique opportunity to connect with individuals or companies that may be looking for new solutions to specific environmental problems. We try to keep EnvirotechNews as brief as possible while providing information relevant to your needs.

GOVERNMENT FUNDING OPPORTUNITIES

ENVIRONMENTAL PROTECTION AGENCY

FOR PROFIT COMPANIES ARE NOT ELIGIBLE FOR THE FOLLOWING FIVE EPA SOLICITATIONS. Eligible organizations may include institutions of higher education and not-for-profit institutions located in the U.S., and tribal, state and local government.

EPA REGION 8 REQUESTS PROPOSALS FOR INDOOR AIR QUALITY PROGRAM, SOL# EPA-GRANTS-040704-001. RESPONSES DUE 6/4/04. EPA requests proposals for Indoor Air Quality programs which include but are not limited to the IAW Tools for Schools Program. \$170K expected to be available. For more information, contact Ron Schiller at (303) 312-6017 or visit <http://www.epa.gov/region8/air/iaq/rfp04.pdf>

EPA STAR PROGRAM ISSUES REQUEST FOR APPLICATION FOR UNDERSTANDING ECOLOGICAL THRESHOLDS IN AQUATIC SYSTEMS THROUGH RETROSPECTIVE ANALYSIS. CLOSING DATE 6/22/04. EPA is seeking applications for retrospective research on non-linear ecosystem dynamics and threshold behavior in response to ecosystem disturbance. The objective of this research is twofold: (1) to advance our basic understanding of ecosystem resilience as it relates to ecological thresholds, and (2) to produce practical insights from retrospective analysis of past threshold events that can be applied to adaptive management of similar ecosystems to prevent problems before they occur. For more information, visit http://es.epa.gov/ncer/rfa/2004/2004_aqua_sys.html

(New) EPA REQUESTS PROPOSAL FOR MODELING AND MITIGATION OF GHG EMISSIONS, SOL# OAR-CPPD-04-09. RESPONSES DUE 6/30/04. Proposals are requested for Dynamic Global Economic Modeling of Greenhouse Gas Emissions and Mitigation from Land-Use Activities. The three categories of modeling are: (1) General equilibrium, (2) Partial equilibrium land-use sectoral modeling, and (3) Integrated assessment modeling of land-use climate change impacts. Up to \$3 million expected to be available; 3 awards anticipated. For more information, visit http://www.epa.gov/air/oar_cppd_0409.pdf

(New) EPA REQUESTS PROPOSAL FOR HEAVY-DUTY DIESEL RETROFITS DEMONSTRATION, SOL# OAR-CCD-04-08. RESPONSES DUE 7/2/04. Proposals are being requested for the Voluntary Diesel Retrofit Program Technology Demonstration Assistance Agreements to Benefit Sensitive Populations. EPA seeks innovative proposals that demonstrate the reduction of air pollution from heavy-duty diesel engines through the use of EPA verified or certified retrofit technologies, engine replacements and/or cleaner fuels, including ultra low sulfur diesel. Up to \$1.5 million expected to be available; 15 awards anticipated. For more information, visit <http://www.epa.gov/air/pdfs/04-08.pdf>

EPA STAR PROGRAM SEEKS PROPOSALS FOR PARTICULATE MATTER RESEARCH CENTERS. RESPONSES DUE 8/31/04. EPA requests proposals for Particulate Matter Research Centers to study priority issues related to airborne particulate matter. \$40 million expected to be available; up to 5 awards anticipated. For more information, visit http://es.epa.gov/ncer/rfa/2004/2004_pm_research.html#Introduction

DEPARTMENT OF DEFENSE

DOD 2004.2 SBIR SOLICITATION CLOSES 6/17/04. The current SBIR 2004.2 offering is rather small, containing only 30 topics from the Navy and 3 topics from DARPA. It is expected that the 2004.3 SBIR will be a major release with hundreds of topics. DoD will be adding a fourth SBIR Solicitation this year. The added 2004.4 SBIR Solicitation will be a smaller offering similar to the 2004.2. For more information, visit <http://www.acq.osd.mil/sadbu/sbir/solicitations/index.htm>

(New) U.S. AIR FORCE DEMONSTRATION OF SOLAR GENERATION, SOL# SPGSCD052404. RESPONSES DUE 6/18/04. The Air Mobility Battlelab plans to conduct a demonstration of innovative commercial/government off-the-shelf energy storage devices and converters that are capable of working with commercially available devices for solar power generation. The energy storage devices must be capable of connecting with flexible solar panels such as those embedded in tent fabrics as well as other solar gain devices and must be capable of at least 100 kW of energy storage. For more information, contact Michael Corson at michael.corson@mcguire.af.mil

DEPARTMENT OF ENERGY

DOE National Energy Technology Laboratory (NETL) uses the Industry Interactive Procurement System (IIPS) to post solicitations and amendments, receive proposals/applications, and disseminate award information. Entities wishing to participate in NETL solicitations will need to register at the IIPS website (<http://e-center.doe.gov>).

DOE ISSUES SOLICITATION FOR WASTE HEAT RECOVERY AND UTILIZATION RESEARCH AND DEVELOPMENT FOR PASSENGER VEHICLE AND LIGHT/HEAVY DUTY TRUCK APPLICATIONS, SOL # DE-PS26-04NT42113-00. RESPONSES DUE BY 6/8/2004. The focus of this announcement is to fund projects that will improve overall vehicle efficiency while maintaining low emissions through the development and application of waste heat energy recovery technologies. Areas of interest are Direct Energy Conversion from Waste Heat Recovery and Heating/Cooling Devices Based on Waste Heat Recovery. \$17 million expected to be available; 6 awards anticipated. For more information, visit <https://e-center.doe.gov/iips/faopor.nsf/UNID/1E96A5836CC0402E85256E6F004D49CF?OpenDocument>

(New) DOE INTENDS TO REQUEST APPLICATION FOR SAVENERGY SURVEY SERVICES, FEDERAL ENERGY MANAGEMENT PROGRAM, SOL# DE-BP36-04GO94021. WILL OPEN ON OR ABOUT 6/14/04. Selected contractors will work with Federal Agencies to identify cost-effective energy efficiency, water conservation, and renewable energy measures that can be undertaken and developed into projects. For more information, contact Lincoln Capstick at Lincoln.Capstick@go.doe.gov or visit <https://e-center.doe.gov/iips/busopor.nsf/UNID/A88DB2BCBA2DB56E85256E9800694236?OpenDocument>

(New) DOE REQUESTS APPLICATIONS FOR RESEARCH GRANTS IN EXPERIMENTAL AND THEORETICAL STUDIES OF AEROSOL RADIATIVE FORCING OF CLIMATE, SOL# DE-FG01-04ER04-12. RESPONSES DUE 6/21/04. Up to \$4 million expected to be available.

For more information, contact Marilyn Oyler at marilyn.oyler@science.doe.gov or visit <http://www.science.doe.gov/grants/FAPN04-12.html>

(New) DOE REQUESTS APPLICATION FOR ENERGY EFFICIENT BUILDING TECHNOLOGIES, SOL# DE-PS26-04NT42114-00. RESPONSES DUE 6/22/04. DOE seeks innovative technologies that have the potential for significant energy savings in residential and commercial buildings. The objective is to accelerate high-payoff technologies. Areas of interest include: 1) Building Envelopes, 2) Space Conditioning, Water Heating and Appliances, and 3) Whole Buildings. \$11 million expected to be available; 14 awards anticipated. For more information, contact Jeffrey Kooser at Jeffrey.Kooser@netl.doe.gov or visit <https://e-center.doe.gov/iips/faopor.nsf/UNID/1CF9A0952F96C35C85256E8A0073D9B1?OpenDocument>

(New) DOE REQUEST PROPOSALS FOR CLEAN AND EFFICIENT INTERNAL COMBUSTION ENGINES, SOL# DE-PS26-04NT42099. RESPONSES DUE 7/6/04. The focus is on improving the efficiency of internal combustion engines while maintaining low emissions. Areas of interest: (1) Enabling technologies, components, methods, and fuels for high-efficiency clean combustion and (2) Utilization of the engine exhaust energy for useful work. \$30 to \$60 million expected to be available; 6 awards anticipated. For more information, contact Richard Rogus at rogus@netl.doe.gov or visit <http://www.pr.doe.gov/iips/faopor.nsf/8df825feb86675de852564650046faea/66a431c5efc9f18c85256e9e00609f04?OpenDocument>

(New) DOE/NREL REQUESTS LETTER OF INTENT FOR THE THIN-FILM PHOTOVOLTAICS PARTNERSHIP PROGRAM, SOL# RXL-4-44205. RESPONSES DUE 7/9/04. For more information, contact Loretta Schmidt at the National Renewable Energy Laboratory (NREL) at (303) 384-7326 or visit http://www.nrel.gov/business_opportunities/solicitations_rfps.html

DOE SOLICITS APPLICATIONS FOR HYDROGEN FUEL RESEARCH, SOL# DE-FG01-04ER04-20. PRE-APPLICATIONS DUE 7/15/04. FINAL APPLICATIONS DUE 1/4/05. DOE Office of Basic Energy Sciences announces its interest in receiving grant applications for projects on basic research for the Hydrogen Fuel Initiative (HFI). Areas of focus include: Novel Materials for Hydrogen Storage; Membranes for Separation, Purification, and Ion Transport; Design of Catalysts at the Nanoscale; Solar Hydrogen Production; and Bio-Inspired Materials and Processes. \$12 million expected to be available; multiple awards anticipated. For more information, visit <https://e-center.doe.gov/iips/faopor.nsf/UNID/467527601D6D8D5585256E830043045A?OpenDocument>

DOE OFFICE OF SCIENCE OFFERS GRANTS, ANNUAL NOTICE DE-FG01-04ER04-02. RESPONSES ACCEPTED THROUGH 9/30/04. DOE announces its continuing interest in receiving grant applications for support of work in the following program areas: Basic Energy Sciences, High Energy Physics, Nuclear Physics, Advanced Scientific Computing Research, Fusion Energy Sciences, Biological and Environmental Research, and Energy Research Analyses. For more information, contact Lori Jernigan at Lori.Jernigan@science.doe.gov or visit <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-04ER04-01/Grant.html>

DEPARTMENT OF AGRICULTURE

USDA REQUESTS APPLICATIONS FOR THE FY04 NATIONAL RESEARCH INITIATIVE (NRI) COMPETITIVE GRANTS PROGRAM. PROPOSALS DUE 6/15/04. The purpose of the NRI Program is to support research, extension, and education grants that address key problems of national, regional, and multi-state importance in sustaining all components of agriculture (farming, ranching, forestry including urban and agroforestry, aquaculture, rural communities, human nutrition, processing, etc.). \$120-\$150 million expected to be available. For more information, visit http://www.reeusda.gov/1700/funding/04/pdf/rfa_nri_04.pdf

(New) USDA ANNOUNCES AN EMERGENCY PILOT PROGRAM TO PROVIDE GUARANTEED LOANS FOR DEVELOPING RENEWABLE ENERGY SYSTEMS FROM THE USE OF DISEASED LIVESTOCK AS A PROCESS RAW MATERIAL FOR THE ENERGY SOURCE. RESPONSES DUE 8/16/04. This program supports Departmental efforts to address the risks associated with Mad Cow Disease. For more information, contact Diane Berger at (202) 720-1400.

DEPARTMENT OF COMMERCE

DOC NIST REQUESTS APPLICATIONS FOR RESEARCH GRANTS, SOL# 040205042-4042-01. RESPONSES DUE 6/30/04. The National Institute of Standards and Technology (NIST) announces that the following programs are soliciting applications for financial assistance for FY 2004: (1) The Electronics and Electrical Engineering Laboratory Grants Program, contact: Sheilda Bryner, (301)975-2220 ; (2) the Manufacturing Engineering Laboratory Grants Program, contact: Mrs. Barbara Horner, (301) 975-4345; (3) the Chemical Science and Technology Laboratory Grants Program, contact: Mr. Neil Alderoty, (301) 975-8303; (4) the Physics Laboratory Grants Program, contact: Ms. Anita Sweigert, (301) 975-4200; (5) the Materials Science and Engineering Laboratory Grants Program, contact: Ms. Tanya Burke, (301) 975-4711; (6) the Building Research Grants and Cooperative Agreements Program, contact: Karen Perry, (301) 975-5910 ; and (7) the Fire Research Grants Program, contact: Ms. Wanda Duffin-Ricks, (301)975-6863.

(New) DOC TECHNOLOGY ADMINISTRATION CALLS FOR NOMINATION FOR THE NATIONAL MEDAL OF TECHNOLOGY. NOMINATION CYCLE OPENED 5/3/04; CLOSING 7/28/04. The Medal is given annually to individuals, teams, and/or companies/divisions for their outstanding contributions to the U.S. economic, environmental and social well-being through the development and commercialization of technology products, processes and concepts; technological innovation; and development of technological manpower. For more information, visit <http://www.technology.gov/Medal/default.htm>

DEPARTMENT OF HEALTH AND HUMAN SERVICES

NIH, CDC, AND FDA OMNIBUS SBIR/STTR GRANTS SOLICITATION OPENS. CLOSING 8/1/04, AND 12/1/04. The NIH has announced the release of the PHS 2004-2 SBIR/STTR Grants Solicitation. This omnibus solicitation combines the offerings of the NIH SBIR/STTR, the CDC SBIR and the FDA SBIR programs. Due to the size and complexity of the NIH SBIR/STTR program, the NIH sponsors an annual conference specific to their program needs. The 6th Annual NIH SBIR/STTR Conference will be held in Bethesda, MD June 23-24, 2004. For more information, visit www.grants.nih.gov/grants/funding/sbir.htm

HHS FUNDING FOR BIOTERRORISM RESEARCH. The National Institute of Allergy and Infectious Diseases (NIAID) has funding opportunities for bioterrorism related research. These opportunities can be viewed at <http://www.niaid.nih.gov/biodefense/>

GENERAL SERVICES ADMINISTRATION

GSA SEEKS TO REFRESH FEDERAL SUPPLY SCHEDULE. STANDING SOLICITATION WITH NO CLOSING DATE. GSA seeks to refresh the Building Materials Federal Supply Schedule which includes products in areas including but not limited to: Solar Energy Systems & Lighting Products; Pre-Engineered/Prefabricated Buildings and Structures; and Power Distribution Equipment. For more information, visit <http://www2.eps.gov/spg/GSA/FSS/7FX/7FCI%2DF8%2D03%2D0056%2DB/SynopsisP.html>

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NOAA ISSUES CLIMATE AND GLOBAL CHANGE SOLICITATION, SOL# 11431-OAR-FRN-032504. FULL PROPOSALS DUE 6/18/04. NOAA requests applications for the Climate and

Global Change Program for projects that will improve our ability to observe, understand, predict, and respond to changes in the global environment. Program Priorities include but are not limited to: Atmospheric Composition and Climate; Climate Observation; Climate and Societal Interactions; Climate Change Data and Detection; Global Carbon Cycle. \$8.2 million expected to be available; 63 awards anticipated; award range \$50K - \$200K. For more information, contact Steve Drescher at (301) 713-0942 x122 or visit <http://www.ogp.noaa.gov/>

NATIONAL SCIENCE FOUNDATION

NATIONAL SCIENCE FOUNDATION SBIR/STTR, SOL# 04-551, CLOSES 6/9/04. There are two major topic categories: Information-Based Technologies (IT) and Security Technologies (ST). \$17.5 million expected to be available, 150 awards anticipated. For more information, visit <http://www.eng.nsf.gov/sbir/>

STATE AND OTHER ORGANIZATIONS

(New) WASHINGTON STATE DEPARTMENT OF ECOLOGY REQUESTS PROPOSALS FOR NEW AND CREATIVE APPROACHES TO ORGANIC WASTE RECLAMATION AND ENERGY RECOVERY, SOL# ECY-RFP-0407. RESPONSES DUE 6/15/04. This funding is to encourage development of the waste biomass to energy industry through actual production facility build out and evaluation. Proposals must demonstrate energy recovery and viable processing system by-products. For more information, contact Mark Fuchs at mfuc461@ecy.wa.gov or visit <http://www.ecy.wa.gov/ecyhome.html>

THE ENERGY FOUNDATION REQUESTS PROPOSALS FOR ITS CLIMATE PROGRAM. The program focuses on state and regional climate policy initiatives. The mission of this program is to develop and promote U.S. state and regional policies to reduce global warming pollution. The Energy Foundation continues to award grants and take direct initiatives in the areas of Power, Buildings, Transportation, Integrated Issues, and the China Sustainable Energy Program. Proposals accepted on an ongoing basis. For more information, visit <http://www.ef.org/>

ETV VERIFICATION OPPORTUNITIES

Criteria for participating in the ETV program include a commercially available technology, a willingness to cost-share a portion of the testing costs, a willingness to participate in the study design process, and a commitment to deploy and operate the technology during the verification process. Program benefits to technology developers and vendors include a rigorous testing protocol and a data set collected under field conditions that establish performance; an opportunity to showcase your technology through a well-developed ETV information outreach program; and an accelerated regulatory acceptance of your technology. ETV has verified 263 technologies. For more information on ETV and their pilots, please visit: www.epa.gov/etv/

ADVANCED MONITORING SYSTEMS CENTER SOLICITS TECHNOLOGY VENDORS FOR THE FOLLOWING TESTS:

Nutrient monitors. Interested vendors should contact Rachel Sell, Battelle, at (614) 424-3579 or sellr@battelle.org.

Portable water detectors for arsenic - Third Round. For more information, contact Patricia White, Battelle, at (781) 952-5279 or whitepj@battelle.org.

Beach monitoring technologies. Interested vendors should contact Amy Dindal, Battelle, at (561) 422-0113 or dindala@battelle.org.

Biosensors. Interested vendors should contact Kathya Mahadevan, Battelle, at (614) 424-3197 or mahadevank@battelle.org.

Cyanide analyzers - second round. Interested vendors should contact Kathya Mahadevan, Battelle, at (614) 424-3197 or mahadevank@battelle.org.

Mercury continuous emission monitors - third round. Interested vendors should contact Tom Kelly, Battelle, at (614) 424-3495 or kellyt@battelle.org.

Dioxin continuous emission monitors. Interested vendors should contact Ken Cowen, Battelle, at (614) 424-5547 or cowenk@battelle.org.

Multigas emission analyzers - second round. Interested vendors should contact Tom Kelly, Battelle, at (614) 424-3495 or kellyt@battelle.org.

(Updated) Hydrogen sulfide monitors. Interested vendors should contact Stephanie Buehler, Battelle, at (614) 424-3495, or buehlers@battelle.org.

Multi-parameter water monitors for distribution systems. Interested vendors should contact Ryan James, Battelle, at (614) 424-7954 or jamesr@battelle.org

GREENHOUSE GAS TECHNOLOGY CENTER SOLICITS TECHNOLOGY VENDORS

The GHG Center, operated by Southern Research Institute, is soliciting vendors of the following technologies:

Oil and gas production technologies, including devices that capture and utilize or minimize releases of waste gas from natural gas and crude oil production processes, and advanced natural gas dehydration systems that produce little or no off-gas for flaring or emission to the atmosphere.

Improved engine and axle lubricants for heavy duty and light duty vehicles that provide improvements in vehicle fuel economy.

Heavy duty diesel engine and auxiliary devices that provide improvements in fuel economy.

Technologies associated with distributed electrical generation (e.g., microturbines, fuel cells, stirling engines, reciprocating engines), including combined heat and power applications, and technologies using renewable fuels.

For more information on any GHC solicitation, please contact Stephen Piccot, SRI, at (919)806-3456 or piccot@sri-rtp.com.

DRINKING WATER SYSTEMS CENTER SOLICITS TECHNOLOGY VENDORS

The DWS Center, operated by NSF International, invites vendors to participate in verification tests of the following technologies:

(New) Arsenic drinking water treatment technologies - third round. Interested vendors should contact Bruce Bartley, NSF, at (734)769-5148 or bartley@nsf.org.

(New) Microbiological reduction or inactivation treatment technologies identified in the DRAFT LT2 ESWTR and needing State of California testing. For more information, contact Bruce Bartley, NSF, at (734) 769-5148 or bartley@nsf.org.

ETV STAKEHOLDER MEETINGS

For information on upcoming stakeholder meetings, please visit the ETV web site: <http://www.epa.gov/etv/calendar/current.html>

UPCOMING EVENTS

The monthly issue of EnvirotechNews normally contains events listed under this section; however, the events have been deleted for this web site version. If you are interested in receiving information about events on a monthly basis, subscribe to the EnvirotechNews listserver to receive it automatically.

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For more information on the Center for Environmental Industry and Technology, please visit our Web Site at www.epa.gov/ne/assistance/ceit.

We hope that you will find this service to be helpful and informative, and look forward to hearing from you. Comments and suggestions are encouraged and can be e-mailed to the listserve.

Thank you,

Maggie Theroux